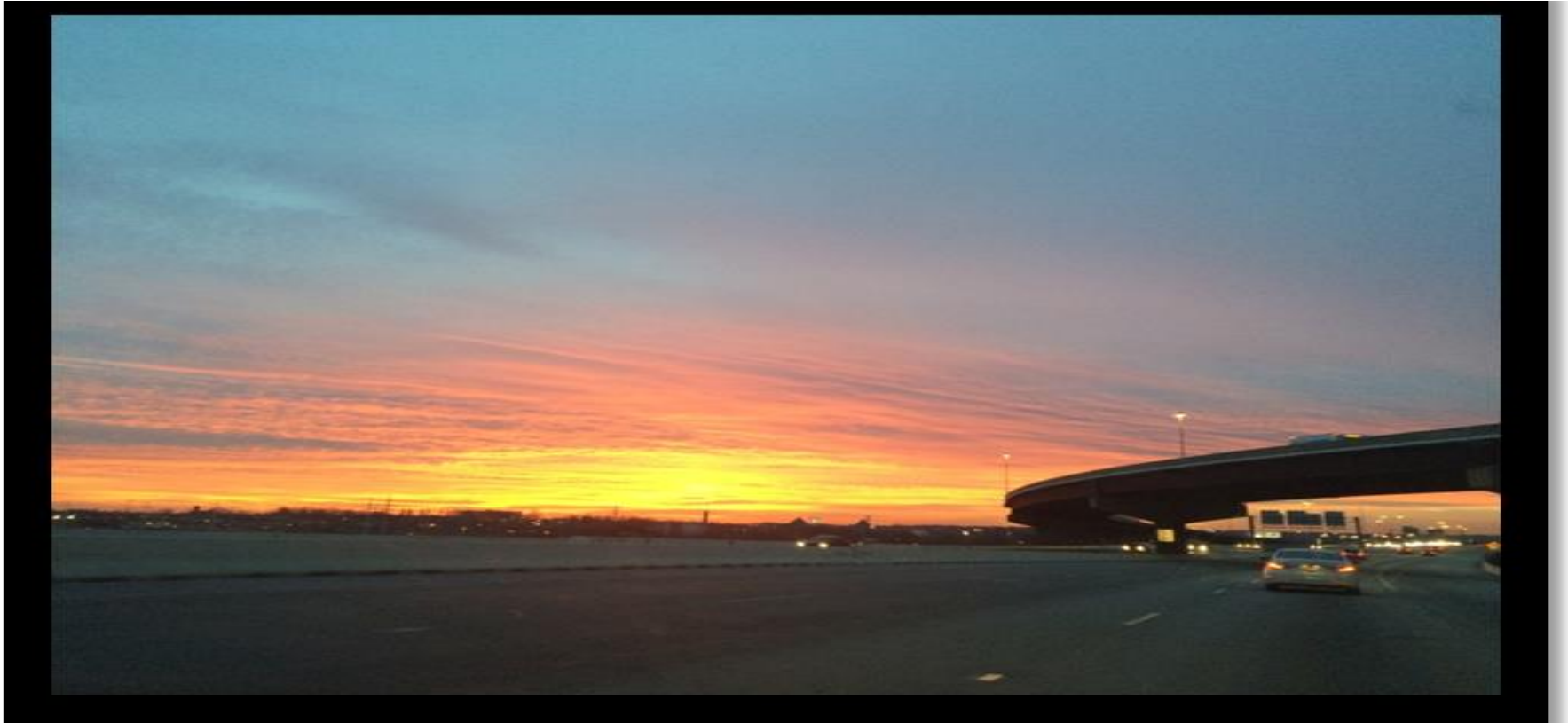


Unit Seven: Driving Off Into The Sunset



Highways, Expressways, & Interstates

Objectives For Unit Seven

2

What do I do around large trucks?

What is a weave lane?

**How I do enter and exit
an expressway?**

Objectives For Unit Seven

3

- Students will be able to describe the skills necessary to safely and legally drive on expressways.
- Students will be able to describe the types of vehicles and road conditions typically found on expressways and what laws apply.

Reaching For The Stars: Texting At High Speed

4

VIDEO TO BE DISPLAYED
DURING CLASSROOM
INSTRUCTION.

What Is An Expressway?

5

- Limited points to enter and exit (controlled access).
- Usually have a minimum and a maximum speed limit.
- Divided by medians or barricades.



- Multiple lanes heading in both directions.
- Only motorized vehicles.
- May have bridges, tunnels, and toll plazas.



Getting On An Expressway

6

**WHAT YOU
MAY FEEL LIKE**



BUT

**If you S.E.E. carefully & focus on the task &
follow some simple steps....
YOU WILL BE FINE !**

Be Sure To S.E.E.

7



S.E.E.: Entrance Ramp And Acceleration Lane

8

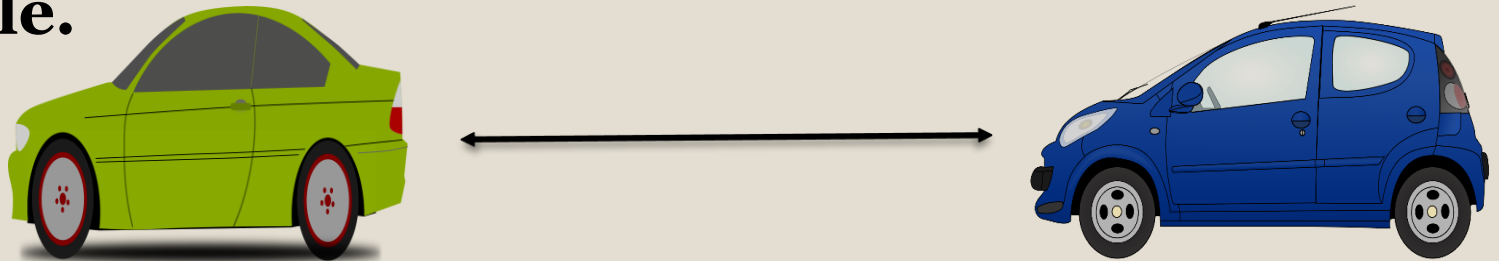
- **Be sure to consistently search for what is front of you, what is behind you, and what is next to you.**
 - **Remember to use all of your mirrors.**
 - **Complete head check to make sure no one is in your blind spot.**
- **Be prepared to adjust speed to merge smoothly.**
- **Remember that traffic on the road has right-of-way.**



Driving On An Expressway: Safe And Legal Driving

9

- **Maintain 3-4 second following distance in best conditions.**
- **Increase following distance behind large trucks, in bad weather, and when driving a heavy vehicle/pulling trailer.**
- **If you are being tailgated by another driver, move to the right to encourage the driver to pass you if possible.**

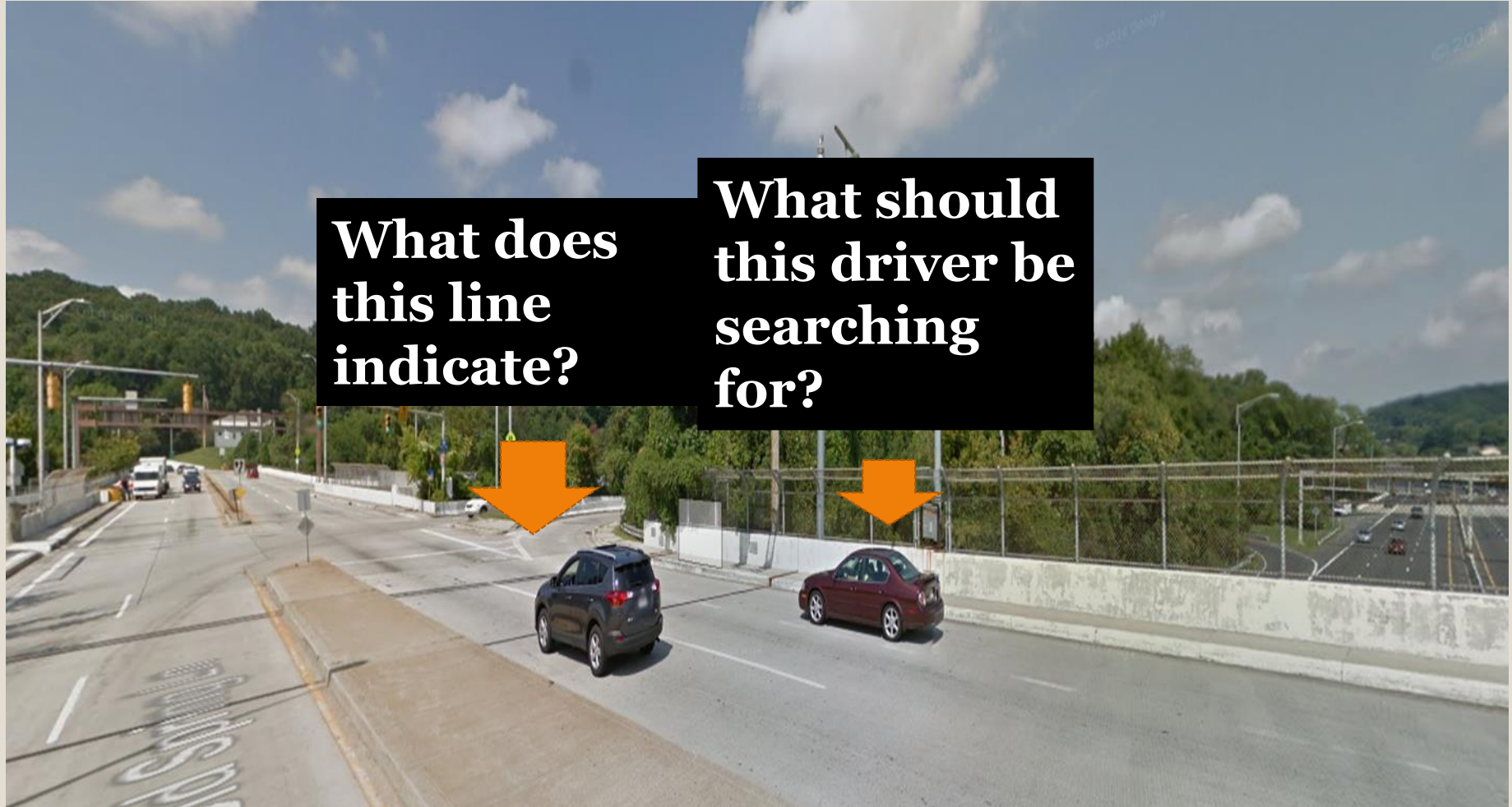


S.E.E.: Entering An Expressway

10

**What does
this line
indicate?**

**What should
this driver be
searching
for?**





**What should
this driver be
searching for?**

**What should a
driver going
down this
entrance ramp be
looking for?**

**What do
these
lines
indicate?**



Limited visibility

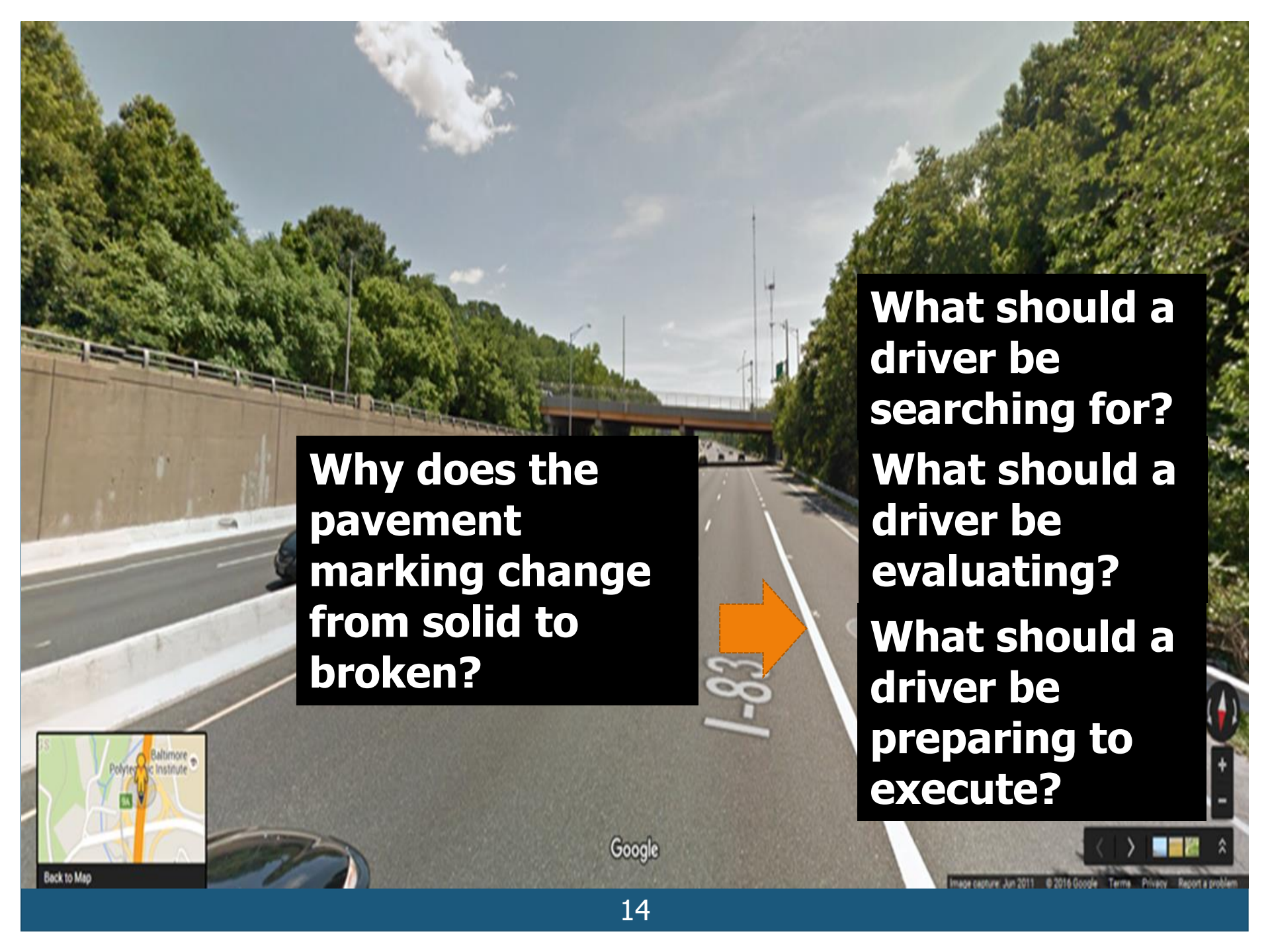
What are the hazards of this ramp?

Limited shoulder space

What should a driver be searching for and what should he/she be planning to do?

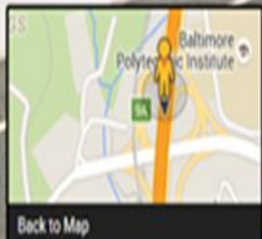
Any vehicle at the end of the entrance ramp.

Any drivers already on the expressway.



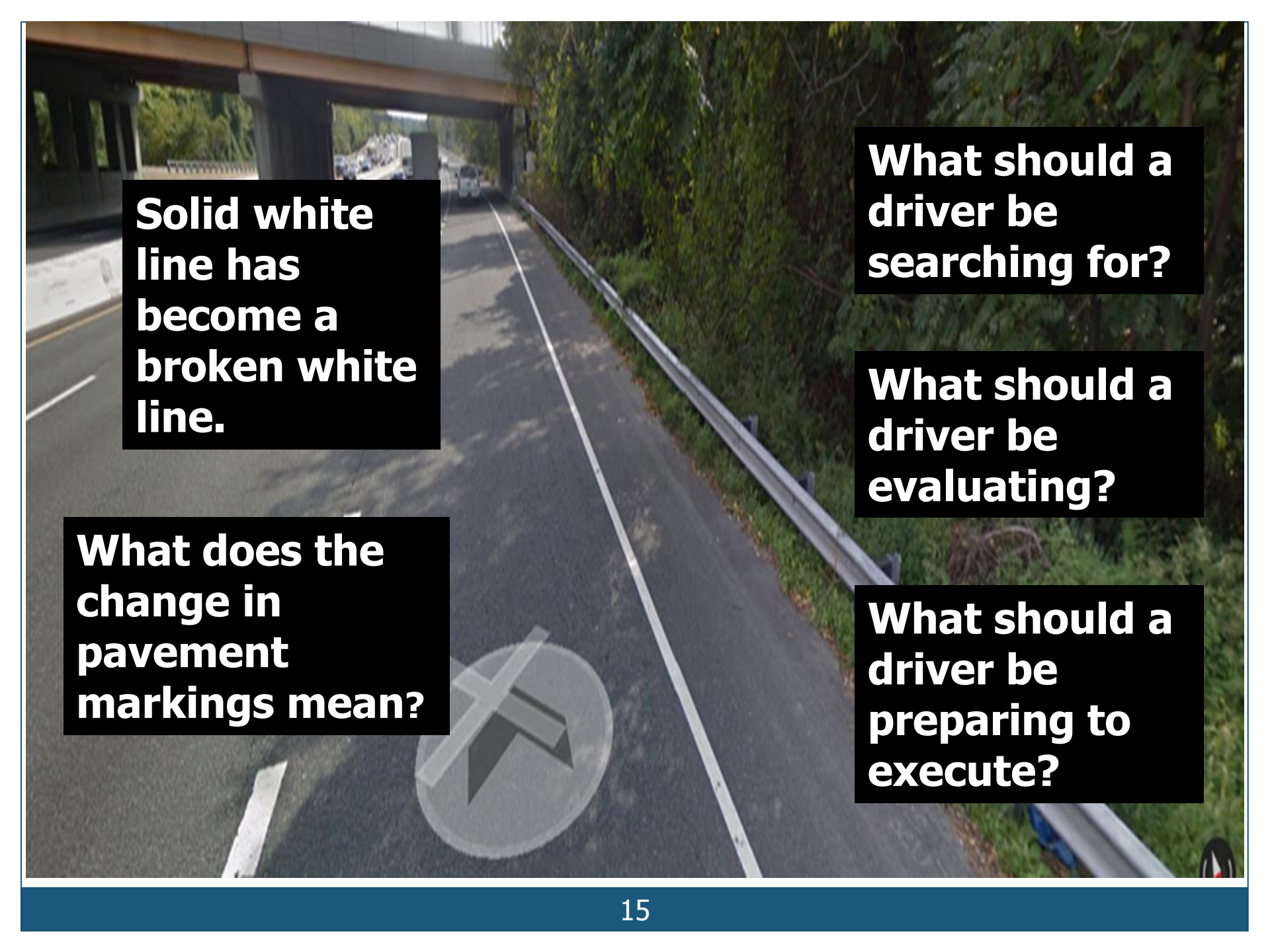
**Why does the
pavement
marking change
from solid to
broken?**

**What should a
driver be
searching for?
What should a
driver be
evaluating?
What should a
driver be
preparing to
execute?**



Google

Image capture: Jun 2011 © 2016 Google Terms Privacy Report a problem

A photograph of a road under a bridge. A solid white line on the left transitions into a broken white line on the right. A circular road marking with a diagonal arrow is visible in the foreground. The road is bordered by a metal guardrail and dense green foliage on the right.

Solid white line has become a broken white line.

What does the change in pavement markings mean?

What should a driver be searching for?

What should a driver be evaluating?

What should a driver be preparing to execute?



What should a driver be searching for?

What is happening to the right lane? What should a driver be doing in response?

What should a driver be evaluating?

What should a driver be preparing to execute?

What are these, and what are they designed to do?

Driving On An Interstate: It's Still Driving

17

Interstate

- **Search continuously to look for changing conditions.**
- **Follow all posted signs, and watch for warning signs.**
- **Signal when you want to change lanes.**
- **Stay focused.**
- **Keep your electronics put away and your seatbelts on.**

Non-interstate

- **Search continuously to look for changing conditions.**
- **Follow all posted signs, and watch for warning signs.**
- **Signal when you want to change lanes.**
- **Stay focused.**
- **Keep your electronics put away and your seatbelts on.**

What Might A Driver Encounter On An Expressway?

18

- Other cars and trucks
- Motorcycles
- Law enforcement and other types of emergency vehicles
- Large commercial trucks and buses
- Tunnels
- Bridges
- Toll plazas
- Construction zones
- TRAFFIC



Motorcycles: The Risks

19

- **Smaller than many other vehicles and may get lost in a blind spot.**
- **Brake lights on a motorcycle may not always light to indicate slowing or stopping.**



- **May have to swerve to avoid potholes, debris in the road, or uneven road conditions.**
- **More vulnerable to significant injury or death in a crash.**

Motorcycles: The Laws For Drivers

20

- **Look twice before changing lanes.**
- **Do not share a lane.**
- **Do not tailgate or drive too closely.**
- **Allow plenty of space between your vehicle and a motorcycle when passing.**
- **Be careful around groups of motorcycles.**



Emergency Vehicles: The Risks

21

Every year, first responders are seriously injured or killed on the side of the road while doing their job.



Emergency Vehicles: Move-Over Law

22

When traffic is moving and the emergency vehicle is on the shoulder with lights flashing:

- **A driver MUST move over one lane, if safe and possible.**
- **If a driver cannot change lanes safely, then he/she MUST SLOW DOWN .**





Risks: Construction Zones

- **Workers are very close to fast moving traffic.**
- **Lanes may change unexpectedly.**
- **Shoulder areas are smaller or nonexistent.**
- **Speed limit is usually reduced.**
- **Speed is frequently monitored by cameras.**



Construction Zones: Safe And Legal Driving

24

- Always obey posted speed limit.
- Maintain focus as the road or traffic conditions may change unexpectedly.
- Watch for motorcycles that may have to adjust to avoid rough or uneven roads.



Commercial Vehicles: Large & Heavy

25

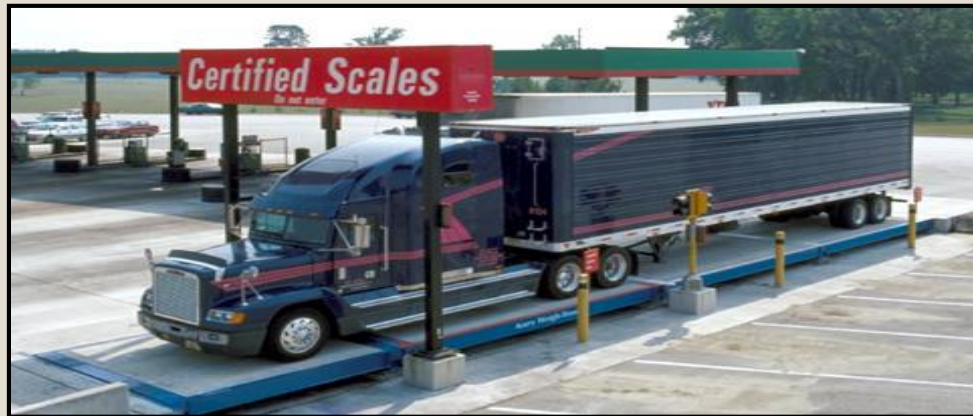
- **How large? Usually weigh at least 26,001 pounds and can weigh as much as 80,000 pounds.**
- **Can transport 16 or more passengers.**
- **Can be used to transport all types of materials, including hazardous ones.**



Commercial Vehicles: Risks

26

- **Additional weight**
 - Commercial vehicles can weigh more than 80,000 pounds.
 - Additional weight increases stopping distance.

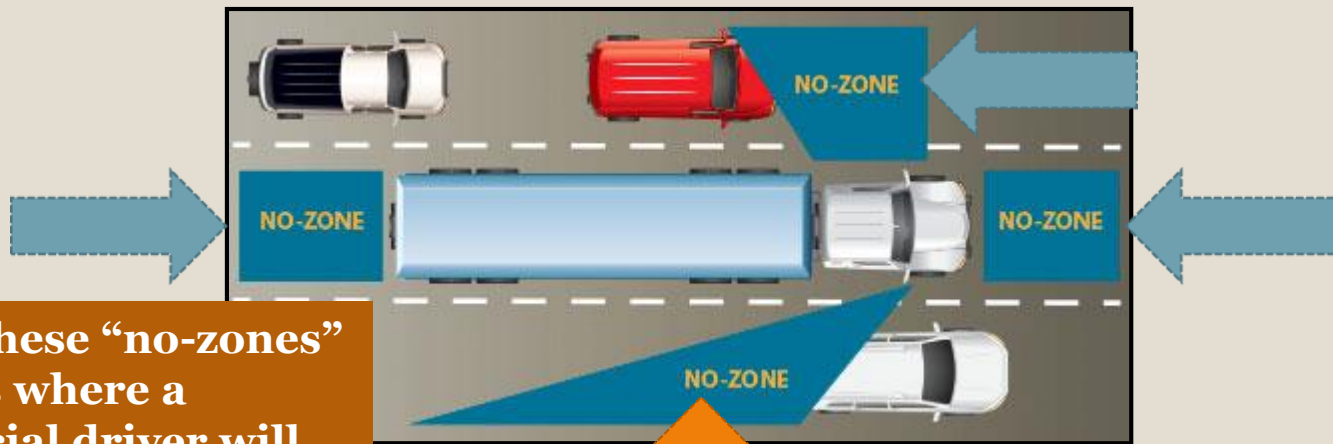


- **Additional height**
 - Creates blind spots for truck drivers who may not see you and other vehicles around them.
 - Makes maneuvering to avoid crashes much more difficult.

Commercial Vehicles: Safe and Legal Driving

27

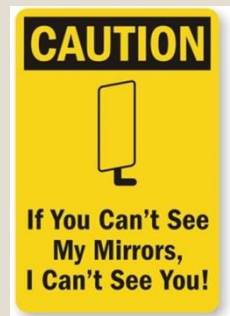
- Be aware of “no-zones,” and do not drive in them for a long time.



Each of these “no-zones” are areas where a commercial driver will not be able to see an approaching vehicle.



You may see signs like these on the back of large commercial vehicles.



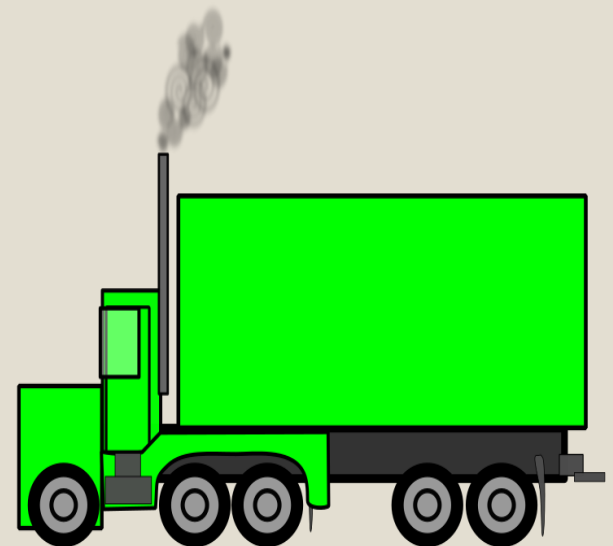
Commercial Vehicles : Safe & Legal Driving

28

At 55 mph, the average car/truck will take 193 feet to stop



At 55 mph and under the best possible conditions, a truck will take at least 325 feet to stop.



Tunnels: Risks

29

- **Crowded**
- **Narrow**
- **Dark**
- **No shoulders**



Tunnels: Safe And Legal Driving

30

- **Maintain lane position while driving in the tunnel.**
 - **Lanes may appear smaller, but they are the same size.**
- **Turn on lights and take off sunglasses.**
 - **Because of limited light, it is important to see and be seen.**
- **Make sure your vehicle has gas and is in working order.**
 - **A vehicle malfunction may cause the entire tunnel to come to a stop and create major back-ups.**
- **Make sure your electronics are off and seat belts are on.**
 - **Focusing on the task is critical no matter where you are driving.**

Toll Plazas: Safe and Legal Driving

31

- **Traffic must slow and divide into multiple lanes.**
- **EZ Pass lanes allow a driver to prepay; in other lanes, driver must stop and pay in cash.**
- **Lanes into toll plazas are usually marked with single white lines which do not prohibit changing lanes, but discourage it.**
- **After toll plaza, drivers then have to go back to two or three lanes from the numerous toll booth lanes.**
- **Drivers may change lanes without warning.**



Bridges: Risks

32

- **Crowded**
- **Limited visibility**
- **No shoulder if your vehicle crashes or has mechanical issues**

Harry Nice Bridge



Chesapeake Bay Bridge Tunnel



Bay Bridge



Bridges: Safe and Legal Driving

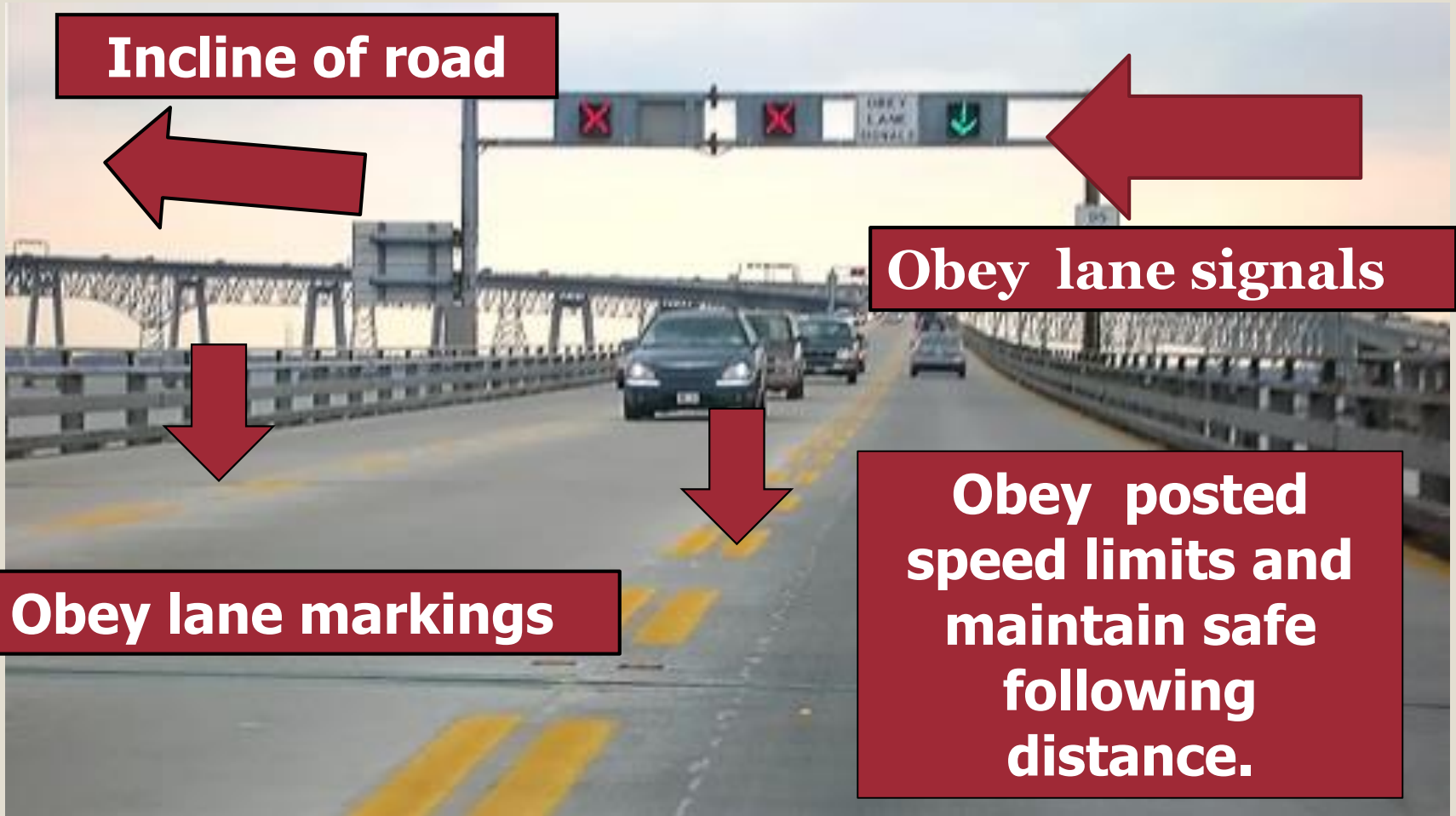
33

Incline of road

Obey lane signals

Obey lane markings

**Obey posted
speed limits and
maintain safe
following
distance.**



Speed: What Is The Legal Speed?

34

Whatever the posted speed limit, NEVER drive faster than road conditions allow.



No matter how fast or how slow, you need your seatbelt on and your electronics off.

Speed: Fact Or Fiction

35

Law enforcement does not stop a driver until he/she is going more than 10 mph over the speed limit.

Every interstate has a speed lane where you can go as fast as faster than the posted speed limit.

Speed limits are limits you obey regardless of weather or road conditions.

Higher speeds give a driver less time to make adjustments to other drivers and road conditions.

Higher speeds contribute to more severe crashes and more severe injuries.

Speeding

36



Does speeding look like this?

Speeding

37

**Each of these pictures
represented
fatal crashes caused
by
speeding.**

Speeding

38



Speeding

39



Speeding

40



Speeding

41



Speeding

42



Changing Lanes on the Expressway: Why?

43

- **Entering or exiting**
- **Allowing another driver to enter**
- **Following large vehicles**
- **Lane ahead becomes blocked**
- **Passing**



Changing Lanes On The Expressway: How?

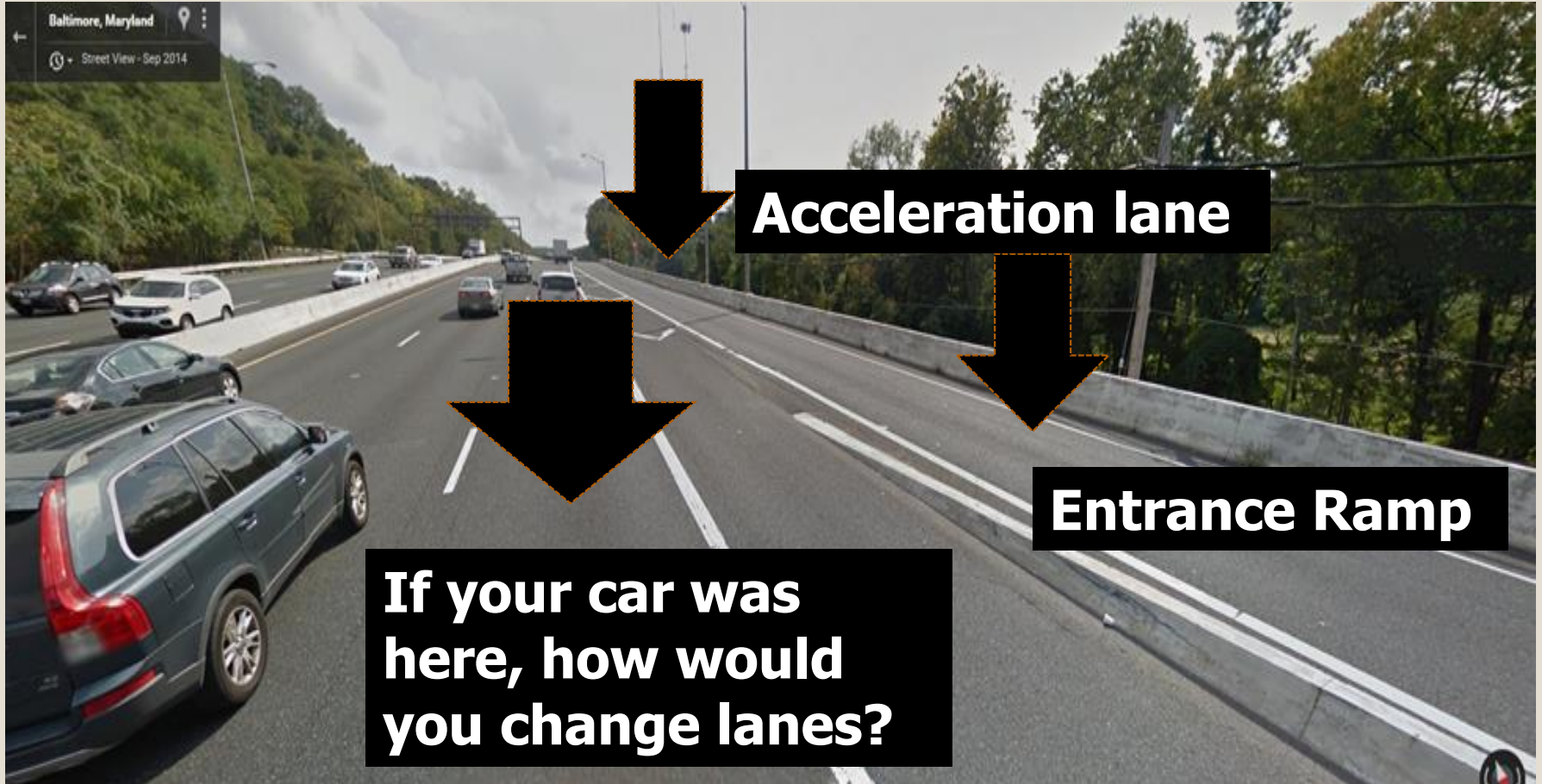
44

- Remember to S.E.E.
- Find a gap in traffic in the lane where you want to go.
- Activate your turn signal.
- Check traffic one lane over to make sure no other car is trying to move into the same spot.
- Use your mirrors to ensure that your blind spot is clear.
- Carefully move into the new lane.
- Turn off your turn signal.



Changing Lanes: S.E.E.

45



Passing on the Expressway: S.E.E.

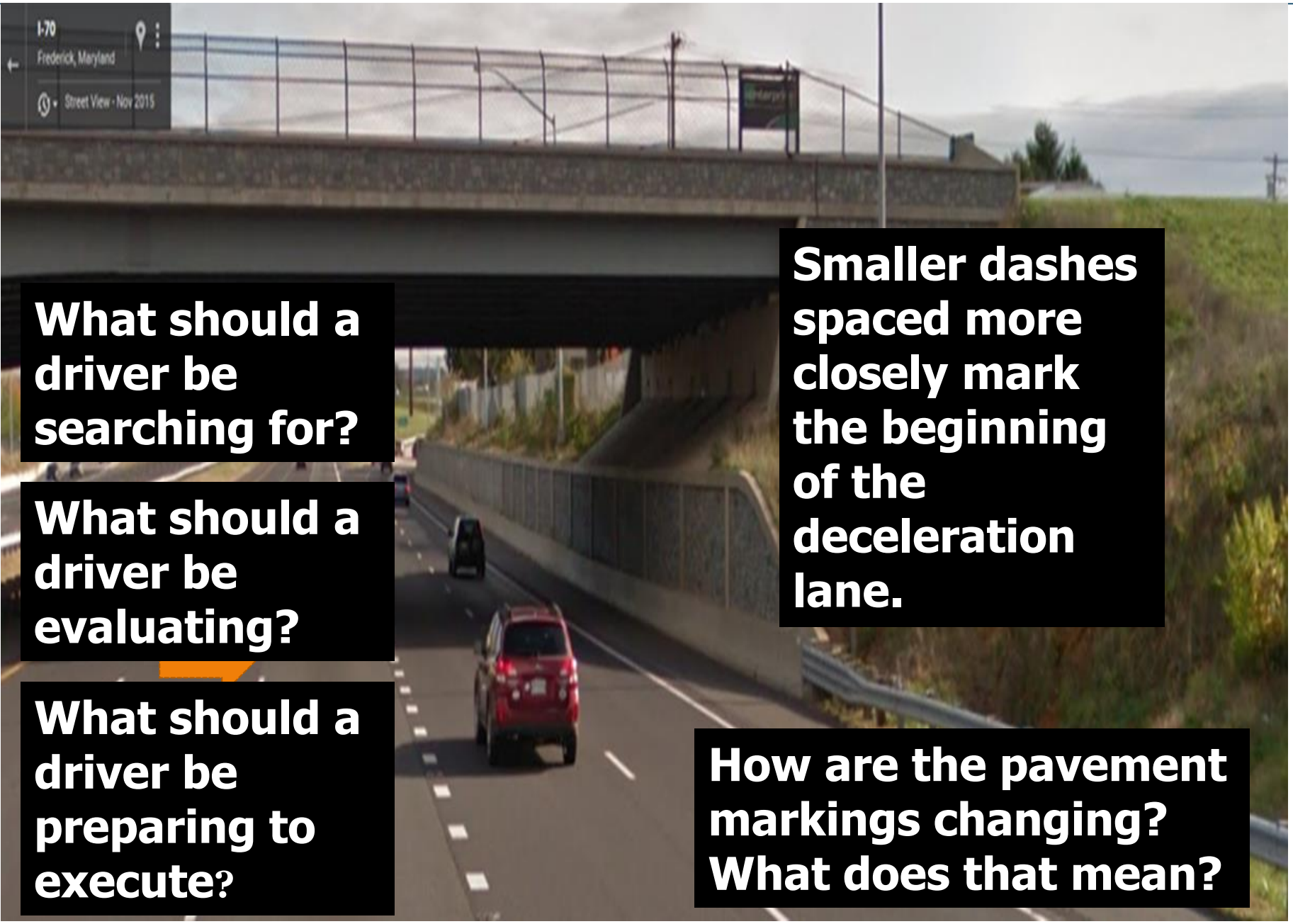
46



Which drivers can safely pass?

Expressways: Exiting





What should a driver be searching for?

What should a driver be evaluating?

What should a driver be preparing to execute?

Smaller dashes spaced more closely mark the beginning of the deceleration lane.

**How are the pavement markings changing?
What does that mean?**

What If I Miss My Exit?

49

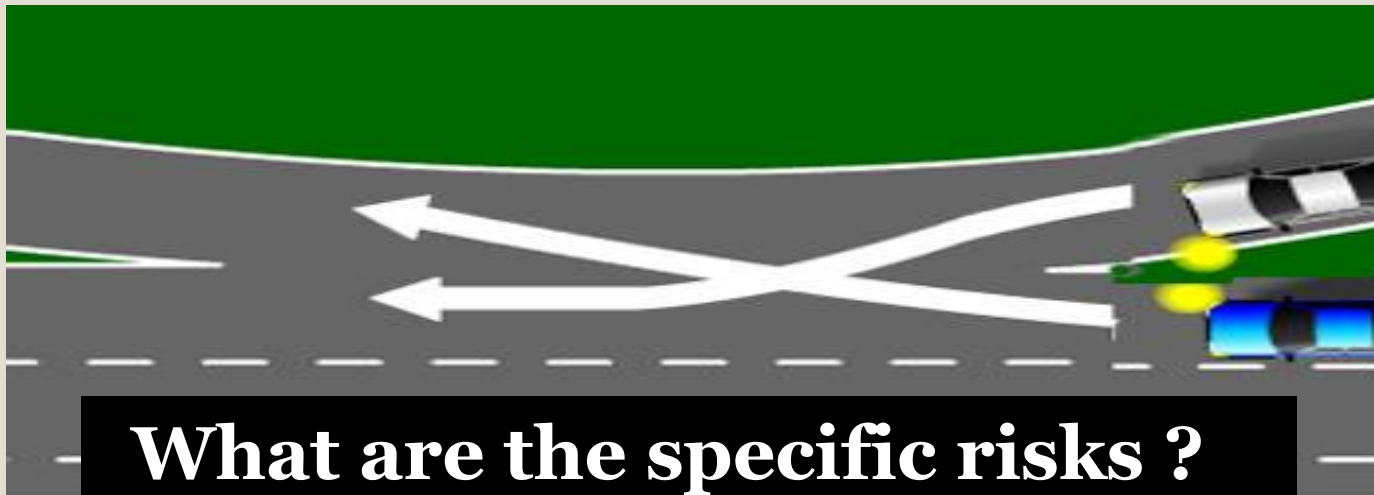


**Your BTW instructor's face when
you start to back up on an
expressway.**

Expressways: Weave Lane

50

- **One lane used for both exiting and entering the expressway**
- **Vehicles entering the expressway must yield to vehicles on the expressway or exiting vehicles.**



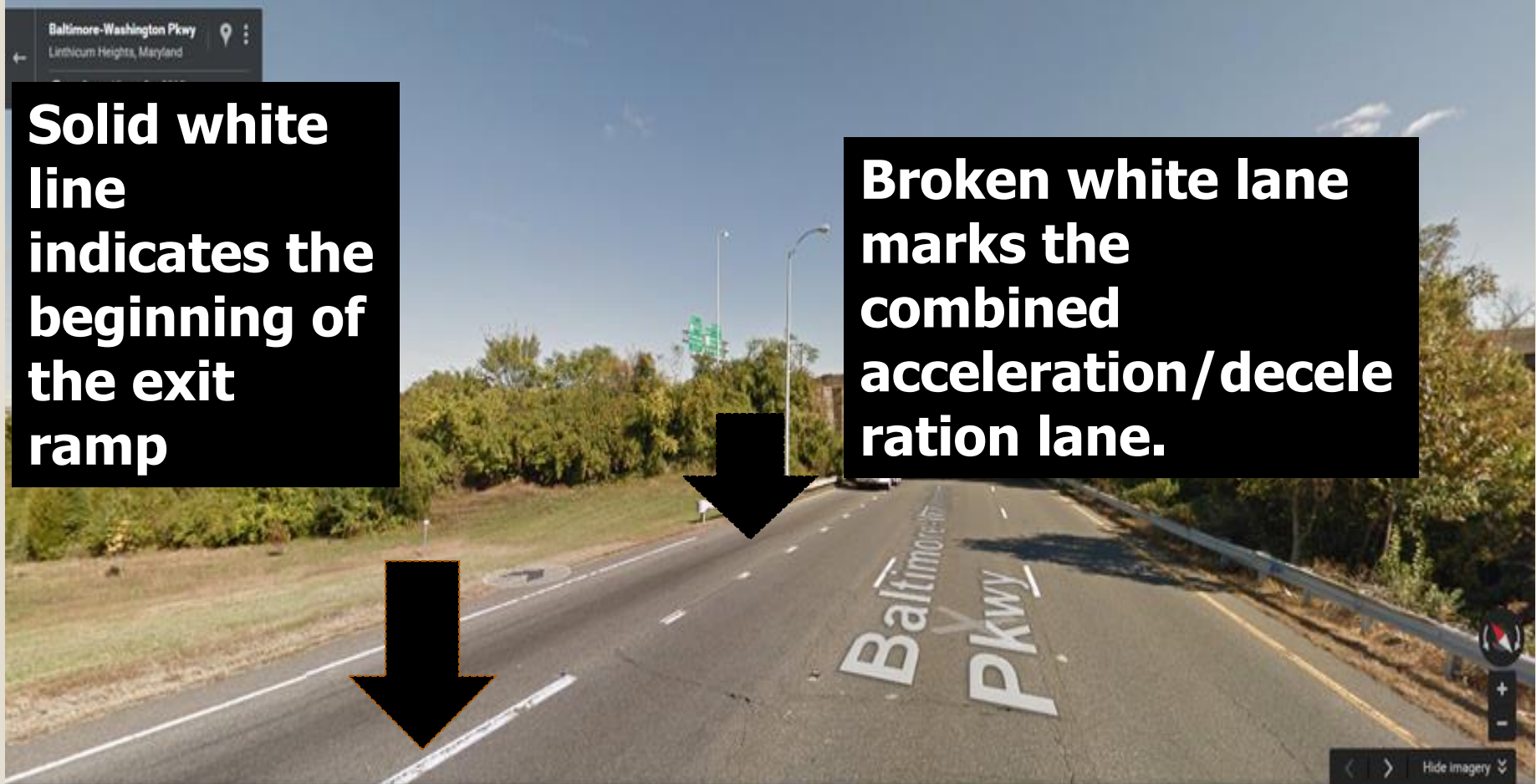
What are the specific risks ?

Weave Lanes: S.E.E.

51

Solid white line indicates the beginning of the exit ramp

Broken white lane marks the combined acceleration/deceleration lane.



Review of Unit Seven

52

- 1) What is an expressway and how is it different from other types of roads?
- 2) What are some of the other types of vehicles a driver might encounter on an expressway? What types of risks do those vehicles pose?
- 3) What are some of the risks of work zones?
- 4) How are work zone speed limits enforced?
- 5) What are some of the risks of toll plazas?
- 6) How do you merge onto an expressway? What are some of the risks?
- 7) What is an Exit Only lane?
- 8) What is a weave lane and what should a driver do there?

What Are We Doing Tomorrow?

53

- **How do I avoid a crash?**
- **What happens if I get a flat tire when driving?**
- **How do I drive on ice?**
- **Can I avoid a crash?**

END OF UNIT SEVEN